



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

## SAFETY DATA SHEET

# Rislone CAT Complete

### SECTION 1: IDENTIFICATION

#### 1.1. Product identifier

*Trade name:* Rislone CAT Complete  
*Product no.:* 4720

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

*Relevant identified uses of the substance or mixture:* Fuel additive  
*Uses advised against :* None known.

#### 1.3. Details of the supplier of the safety data sheet

*Company and address:* **Rislone**  
P.O. Box 187  
Holly, MI 48442  
USA  
(810) 603-1321  
www.Rislone.com  
*E-mail:* support@rislone.com  
*SDS date:* 4 March 2025  
*SDS Version:* 7.0  
*Date of previous version:* 28 January 2025 (6.0)

#### 1.4. Emergency telephone number

ChemTel Inc.  
(800) 255-3924 (North America)  
+1 (813) 248-0585 (International)

### SECTION 2: HAZARD(S) IDENTIFICATION

#### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### 2.1. ▼ Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid

#### 2.2. Label elements

▼ *Hazard pictogram(s):* Not applicable.  
▼ *Signal word:* Warning  
▼ *Hazard statement(s):* Combustible liquid (H227)  
*Precautionary statement(s):*



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▼ <i>General:</i>	Keep out of reach of children. (P102)
▼ <i>Prevention:</i>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
▼ <i>Response:</i>	In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)
▼ <i>Storage:</i>	Store in a well-ventilated place. Keep cool. (P403+P235)
<i>Disposal:</i>	Dispose of contents/container in accordance with local regulation (P501)
<i>Additional labelling:</i>	Not applicable.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	CAS No.: 64742-55-8	25-40%	Asp. Tox. 1, H304	[19]
2-butoxyethanol	CAS No.: 111-76-2	5-10%	Acute Tox. 4, H302	



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			Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	
Distillates (petroleum), hydrotreated light;Kerosine - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]	CAS No.: 64742-47-8	3-5%	Asp. Tox. 1, H304	[19]
Paraffins (petroleum), normal C5-20	CAS No.: 64771-72-8	3-5%	Asp. Tox. 1, H304	[19]
p-xylene;m-xylene;xylene;o-xylene	CAS No.: 1330-20-7	1-3%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	
Solvent naphtha (petroleum), light arom.	CAS No.: 64742-95-6	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	[19]
Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3	<1%	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 1, H330	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological



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materials

## SECTION 4: FIRST-AID MEASURES

### 4.1. ▼ Description of first aid measures

*General information:*

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ *Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

▼ *Skin contact:*

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

*Eye contact:*

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

▼ *Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

### 4.2. ▼ Most important symptoms and effects, both acute and delayed

None known.

### 4.3. ▼ Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media



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Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.  
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

## 5.2. Special hazards arising from the substance or mixture

Combustible liquid

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

## 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

## 6.1. ▼ Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

## 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

## 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

## 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

# SECTION 7: HANDLING AND STORAGE

## 7.1. ▼ Precautions for safe handling

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

## 7.2. ▼ Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:*

Properly labeled containers



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<i>Liquid class:</i>	Combustible Liquid / Class IIIA (NFPA 30)
<i>Storage conditions:</i>	Dry, cool and well ventilated Tightly closed container
<i>Incompatible materials:</i>	heat, sparks, flame, and other sources of ignition Combustible materials

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

2-butoxyethanol

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 240

Long term exposure limit (OSHA Table Z-1) (ppm): 50

Long term exposure limit (ACGIH TLV) (ppm): 20

p-xylene;m-xylene;xylene;o-xylene

Short term exposure limit (STEL) (ACGIH TLV) (ppm): 150

Short term exposure limit (STEL) (NIOSH REL) (ppm): 150

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 100

ethylbenzene

Short term exposure limit (STEL) (NIOSH REL) (ppm): 125

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 20

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

### 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

*Appropriate technical measures:*

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system



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*Hygiene measures:*

if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

▼ *Measures to avoid environmental exposure:*

No specific requirements.

**Individual protection measures, such as personal protective equipment**


*Generally:*

Use only protective equipment with a recognized certification mark, e.g. the UL mark.


*Respiratory Equipment:*

No specific requirements

*Skin protection:*

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

*Hand protection:*

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

*Eye protection:*

Type	Standards	
Tight sealing safety goggles	Tight sealing safety goggles	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

*Physical state:*

Liquid

*Color:*

Brown

*Odor:*

Petroleum-like

▼ *Odor threshold (ppm):*

No data available.

▼ *pH:*

No data available.



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▼ <i>Density (g/cm<sup>3</sup>):</i>	No data available.
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<i>Relative density:</i>	0.81
<i>Kinematic viscosity:</i>	No data available
▼ <i>Dynamic viscosity:</i>	23.4 mPa.s
<i>Particle characteristics:</i>	Does not apply to liquids.

### Phase changes

<i>Melting point/freezing point (°F):</i>	No data available
<i>Softening point/range (°F):</i>	Does not apply to liquids.
<i>Boiling point (°F):</i>	No data available
<i>Vapor pressure:</i>	No data available
▼ <i>Relative vapor density:</i>	No data available.
<i>Decomposition temperature (°F):</i>	No data available

### Data on fire and explosion hazards

<i>Flash point (°F):</i>	153
<i>Flash point (°C):</i>	67
<i>Flammability (°F):</i>	No data available
<i>Auto-ignition temperature (°F):</i>	No data available
▼ <i>Explosion limits (% v/v):</i>	No data available.

### Solubility

<i>Solubility in water:</i>	Insoluble
▼ <i>n-octanol/water coefficient (LogKow):</i>	No data available.
▼ <i>Solubility in fat (g/L):</i>	No data available.

### 9.2. Other information

<i>Other physical and chemical parameters:</i>	No data available.
▼ <i>Oxidizing properties:</i>	No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

### 10.4. Conditions to avoid

Heat, flames, and sparks

### 10.5. Incompatible materials

heat, sparks, flame, and other sources of ignition



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Combustible materials

#### **10.6. ▼ Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **▼ Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

#### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitisation**

Based on available data, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **▼ Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Long term effects**

None known.

#### **Other information**

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.

ethylbenzene has been classified by IARC as a group 2B carcinogen.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

No data available.

### **12.2. Persistence and degradability**

Based on available data, the classification criteria are not met.



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### 12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)


p-xylene;m-xylene;xylene;o-xylene is listed with EPA Hazardous Waste Number: U239

### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
DOT	UN1993	FLAMMABLE LIQUID, N.O.S.	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

### ▼ Additional information

DOT / See § 172.101 Hazardous Materials Table for any information on special provisions,



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requirements, or warnings in connection with transport. See § 172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to IMO instruments**

No data available.

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**SECTION 15: REGULATORY INFORMATION**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. U.S. Federal regulations**

*TSCA (the non-confidential portion):*

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed

2-butoxyethanol is listed

Distillates (petroleum), hydrotreated light;Kerosine - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] is listed

Paraffins (petroleum), normal C5-20 is listed  
p-xylene;m-xylene;xylene;o-xylene is listed  
Solvent naphtha (petroleum), light arom. is listed

ethylbenzene is listed

Tricarbonyl(methylcyclopentadienyl)manganese is listed

1,2,4-trimethylbenzene is listed  
mesitylene;1,3,5-trimethylbenzene is listed  
propylbenzene;Cumene is listed

*Clean Air Act:*

p-xylene;m-xylene;xylene;o-xylene is regulated as a hazardous air pollutant (HAPS)  
ethylbenzene is regulated as a hazardous air



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	pollutant (HAPS) Tricarbonyl(methylcyclopentadienyl)manganese is regulated as a hazardous air pollutant (HAPS)
<i>EPCRA Section 302:</i>	Tricarbonyl(methylcyclopentadienyl)manganese is regulated with a Threshold Planning Quantity (TPQ) of: 100 pounds
<i>EPCRA Section 304:</i>	Tricarbonyl(methylcyclopentadienyl)manganese is regulated with a Reportable Quantity (RQ) of: 100 pounds
<i>EPCRA section 313:</i>	p-xylene;m-xylene;xylene;o-xylene is listed ethylbenzene is listed Tricarbonyl(methylcyclopentadienyl)manganese is listed 1,2,4-trimethylbenzene is listed
<i>CERCLA:</i>	p-xylene;m-xylene;xylene;o-xylene is regulated with a Reportable Quantity (RQ) of: 100 pounds ethylbenzene is regulated with a Reportable Quantity (RQ) of: 1000 pounds
<i>Hazardous chemical inventory reporting:</i>	This product is subject to Tier II reporting.
<b>State regulations</b>	
<i>California / Prop. 65:</i>	ethylbenzene is known to cause: Cancer NSRL/MADL (µg/day): 54 (inhalation) 41 (oral) —
<i>Massachusetts / Right To Know Act:</i>	Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed 2-butoxyethanol is listed p-xylene;m-xylene;xylene;o-xylene is listed ethylbenzene is listed Tricarbonyl(methylcyclopentadienyl)manganese is listed 1,2,4-trimethylbenzene is listed mesitylene;1,3,5-trimethylbenzene is listed propylbenzene;Cumene is listed
<i>New Jersey / Right To Know Act:</i>	2-butoxyethanol / Substance number: 0275 2-butoxyethanol is on the Special Health Hazard Substance List



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*New York / Right To Know Act:*

—  
p-xylene;m-xylene;xylene;o-xylene /  
Substance number: 2014  
p-xylene;m-xylene;xylene;o-xylene is on the  
Special Health Hazard Substance List

—  
ethylbenzene / Substance number: 0851  
ethylbenzene is on the Special Health Hazard  
Substance List

—  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese / Substance number: 1244

—  
1,2,4-trimethylbenzene / Substance number:  
2716

—  
propylbenzene;Cumene / Substance number:  
1607  
propylbenzene;Cumene is on the Special  
Health Hazard Substance List

—  
2-butoxyethanol is listed  
2-butoxyethanol is regulated with a Treshold  
Reporting Quantity (TRQ) of: 10 pounds

—  
p-xylene;m-xylene;xylene;o-xylene is listed  
p-xylene;m-xylene;xylene;o-xylene is  
regulated with a Reportable Quantity (RQ) of:  
1000 pounds  
p-xylene;m-xylene;xylene;o-xylene is  
regulated with a Treshold Reporting Quantity  
(TRQ) of: 0 pounds

—  
ethylbenzene is listed  
ethylbenzene is regulated with a Reportable  
Quantity (RQ) of: 1000 pounds  
ethylbenzene is regulated with a Treshold  
Reporting Quantity (TRQ) of: 0 pounds

—  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is listed  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is regulated with a Reportable Quantity  
(RQ) of: 1 pounds  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is regulated with a Treshold Reporting  
Quantity (TRQ) of: 100 pounds  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is regulated with a Treshold Planning  
Quantity (TPQ) of: 100 pounds

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*Pennsylvania / Right To Know Act:*

1,2,4-trimethylbenzene is listed  
1,2,4-trimethylbenzene is regulated with a  
Threshold Reporting Quantity (TRQ) of: 100  
pounds

—  
mesitylene;1,3,5-trimethylbenzene is listed  
mesitylene;1,3,5-trimethylbenzene is  
regulated with a Threshold Reporting Quantity  
(TRQ) of: 100 pounds

—  
propylbenzene;Cumene is listed  
propylbenzene;Cumene is regulated with a  
Threshold Reporting Quantity (TRQ) of: 10  
pounds

—  
2-butoxyethanol is listed

—  
p-xylene;m-xylene;xylene;o-xylene is listed  
p-xylene;m-xylene;xylene;o-xylene is  
hazardous to the environment (E)

—  
ethylbenzene is listed  
ethylbenzene is hazardous to the  
environment (E)

—  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is listed  
Tricarbonyl(methylcyclopentadienyl)mangan  
ese is hazardous to the environment (E)

—  
1,2,4-trimethylbenzene is listed  
1,2,4-trimethylbenzene is hazardous to the  
environment (E)

—  
propylbenzene;Cumene is listed

—

**15.4. Restrictions for application**

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**15.5. Demands for specific education**

No specific requirements.

**▼ 15.6. Additional information**

Not applicable.

**15.7. Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)



## SECTION 16: OTHER INFORMATION

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### Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.  
H301, Toxic if swallowed.  
H302, Harmful if swallowed.  
H304, May be fatal if swallowed and enters airways.  
H310, Fatal in contact with skin.  
H312, Harmful in contact with skin.  
H315, Causes skin irritation.  
H319, Causes serious eye irritation.  
H330, Fatal if inhaled.  
H332, Harmful if inhaled.  
H336, May cause drowsiness or dizziness.

### The full text of identified uses as mentioned in section 1

None known.

### Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists  
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
DOT = Department of Transportation  
EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits



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STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

**▼ Additional information**

Not applicable.

**The safety data sheet is validated by**

NL

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

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